

CLAIMS:

1. A method of generating, in a media system, at least one output signal from a first set of sound signals from at least one input signal from a second set of sound signals having a related second set of Head Related Transfer Functions, said method comprising the steps of
- 5 • determining, for each signal in the second set of sound signals, a weighted relation comprising at least one signal from a third set of intermediate sound signals and at least one weight value;
- determining a first set of Head Related Transfer Functions based on the second set of sound signals, the second set of Head Related Transfer Functions and the weighted
- 10 relation; and
- transferring at least one signal from the third set of intermediate sound signals by means of at least one HRTF from said first set of Head Related Transfer Functions in order to generate at least one output signal belonging to said first set of sound signals.
- 15 2. A method according to claim 1, characterized in the step of determining for each signal, i in the second set of sound signals determines $CH_i = \alpha_i \cdot L + \beta_i \cdot R$, wherein α_i , and β_i each is the weight value, and wherein L and R each is a signal from said third set of intermediate sound signals.
- 20 3. A method according to claim 1, characterized in the step of determining for each signal determines $CHI_1 = \alpha_{i1} \cdot M$ and $CHI_2 = \alpha_{i2} \cdot M$, wherein α_{i1} and α_{i2} each is the weight value, and wherein CHI_1 and CHI_2 each is a signal from said third set of intermediate sound signals.
- 25 4. A method according to any one of claims 1 through 3, characterized in that the media system is a TV, a CD player, a DVD player, a Radio, a display, an amplifier, a headphone or a VCR.

5. A computer system for performing the method according to any one of claims 1 through 4.

6. A computer program product comprising program code means stored on a computer readable medium for performing the method of any one of claims 1 through 4 when the computer program is run on a computer.

7. A media system for generating at least one output signal from a first set of sound signals from at least one input signal from a second set of sound signals having a related second set of Head Related Transfer Functions, said media system comprising:

- means for determining for each signal in the second set of sound signals, a weighted relation comprising at least one signal from a third set of intermediate sound signals and at least one weight value;
- means for determining a first set of Head Related Transfer Functions based on the second set of sound signals, the second set of Head Related Transfer Functions and the weighted relation; and
- means for transferring at least one signal from the third set of intermediate sound signals by means of at least one HRTF from said first set of Head Related Transfer Functions in order to generate at least one output signal belonging to said first set of sound signals.